DERWENT-ACC-NO: <u>2004-245423</u>

DERWENT-WEEK: 200423

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TITLE: Control device and method for improvement of braking
force of brake

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PATENT-ASSIGNEE: HYUNDAI MOTOR CO LTD [HYUNN]

PRIORITY-DATA: 2002KR-0027755 (May 20, 2002)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
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KR 2003089858 A	November 28, 2003	N/A
001	F16D 066/00	

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
KR2003089858A	N/A	2002KR-0027755
May 20, 2002		

INT-CL (IPC): F16D066/00

ABSTRACTED-PUB-NO: KR2003089858A

BASIC-ABSTRACT:

NOVELTY - A control device and method for improvement of braking
force of a
brake are provided to stabilize braking force of the vehicle by
restricting
noise at low temperature and keeping constant friction at normal
temperature
with detecting the **temperature of a brake** lining pad.

DETAILED DESCRIPTION.- A control device for improvement of braking
force of a
brake comprises a vehicle state detecting unit(100) detecting
temperature of a
friction material, an engine idle switch and engine rpm according to
the

vehicle state; an engine control unit(200) deciding starting or the idle state
of the engine by receiving friction material temperature, the engine idle
switch and the engine rpm, and outputting the setting temperature of the
friction material; a temperature control unit(300) comparing the actual
temperature of the friction material with the predetermined temperature from
the engine control unit in deciding the idle state of the engine in starting,
and outputting a control signal for heating the heating member in case of the
temperature of the friction material to be less than the predetermined
temperature; and a hot wire driving unit(400) heating the heating member
corresponding to the control signal from the temperature control unit.

CHOSEN-DRAWING: Dwg.1/10

TITLE-TERMS: CONTROL DEVICE METHOD IMPROVE BRAKE FORCE BRAKE

DERWENT-CLASS: Q63 T06 X22

100

300

4

110 마찰재 온도 검출부 → 온도 제어 수단 → 열선 구동 수단

120 아이들 스위치 상태 검출부 →

200

엔진 제어 수단

130 엔진 회전수 검출부 →